

GELANOTS®

e-Gelanots

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Distributors access to
e-Gelanots secure area

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Laminates

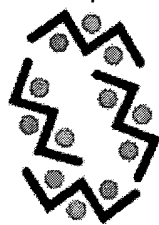
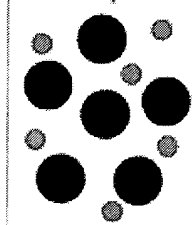
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About Gelanots

Technofine Water
AbsorptionPolyester Water
Absorption

Performance Wear — Moisture Control Fabrics

Technofine® Finish—Sweat Without Wet

Technofine® is a high-tech polyester yarn that has a specially designed "W" shape when viewed in cross section. The overlap of the "W" shape speeds up a fabric's ability to transport water away from your skin. Its increased surface area increases the evaporation rate so Technofine® garments are quick-drying. Uncomfortable perspiration is rapidly absorbed and you remain drier and more comfortable than with other polyesters. Technofine® yarns are available in numerous fabrications, including knits, meshes, jerseys, wovens, yard-dyed wovens and tricots.

Technofine® Knits and Wovens Tech Specs:

Water Absorption Speed (Byreck Method): 11 cm in 10 minutes

Drying Speed: 36 minutes from 100% moisture content to 0% moisture content

Care:

Technofine® can be machine washed and dried at warm temperatures.

Technofine® Knits and Wovens Applications:

Linings for high-tech outerwear
Nylon or polyester woven fabrics
Underwear for active sports like snowshoeing, cycling and cross country skiing
Athletic jerseys
Travel clothing

EKS Finish—A Fiber that Generates Heat

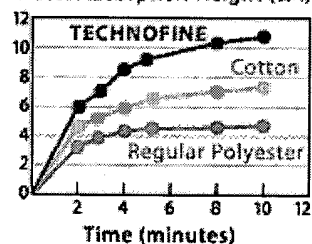
Existing fibers used for cold weather wear/gear try to preserve body heat by simply insulating with their bulk.

EKS fibers go beyond heat preservation to HEAT GENERATION. EKS is based on an advanced fiber design concept where the interaction of moisture absorption by the fiber actually creates heat while speeding moisture transport. EKS Yarn is ideal for knitted winter

Water Absorption Speed

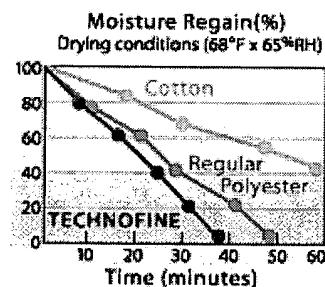
Byreck Method: 11 cm in 10 minutes

Water Absorption Height (cm)



Drying Speed

36 minutes from 100% moisture content to 0% moisture content



Gelanots®

Performance Wear

- Moisture Control Fabrics
- Sun and Water Protection Fabrics
- Microfibers
- Down Fabrics
- Lightweight Fabrics

Applications:

Highly Aerobic Activities
Athletic Jerseys
Travel Clothing
Woven Nylon / Polyester

Underwear for:

Running
Cycling
Snowshoeing
Cross-country Skiing

Linings for:

High-tech Outerwear

Care:

Technofine® can be machine washed and dried at warm temperatures.

undergarments where rapid moisture absorption and warmth really count.

The EKS finish can also be applied as a powder to polyester fabrics. Our powder finish maintains the unique EKS moisture transport and superior wicking function while generating less heat—ideal for keeping you incredibly dry in summer heat.

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30% EKS Fiber **100% Cotton Fiber**
Thermography of water saturated knit fabrics
 25.5 24.7 23.7 22.7 21.7 20.7 19.7 18.7 17.7
 Measuring Environment (20°C • 65%RH)

EKS Live**Moisture-Reactive Polyester**

EKS Live™ is an innovative and brand-new breathable polyester fabric. Its chemically active function of moisture absorption and discharge creates the ideal wearing comfort by reducing the thermal and hydrophilic stress to the body. This superb function is semi-perpetual due to polymerization.

An extremely moisture absorbing material is emulsified and polymerized with Hydrophobic Polyester to be moisture-active. Unlike the regular glueing process, molecular bonding by polymerization enables semi-perpetual performance even after laundry or dry cleaning. EKS Live™ absorbs twice as much moisture as wool, about three times as much as silicagel, and almost four times as much moisture as cotton. EKS Live™ generates heat when absorbing moisture, and this heat becomes the energy for faster and more effective moisture discharge. EKS Live™ also acts as a neutralizer against both acids and alkalis, so it's naturally deodorizing.

EKS Live absorbs more moisture faster, and discharges it more efficiently and effectively allowing for faster cool downs and a more comfortable, dryer feeling against the skin.

Applications

EKS Live™ can be added to many fabrics and is ideal for aerobic performance wear or under garments where intense moisture wicking and discharge is essential. EKS Live™ works equally well in fabrics intended for winter or summer activities since its heat generating capabilities can be modified while still maintaining its superb moisture transport and drying function.

**Fabrics with
EKS Live™**

- Gelanots® Dry Heat EKS Live
- Gelanots® EKS Live
- Airdrive
- Moisture Control Fabrics

Applications:

- Highly Aerobic Activities
- Running
- Cycling
- Snowshoeing
- Cross-country Skiing

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